Mountain Weather Forecast

Peak District National Park

Forecast valid from 00:00 on Tuesday 11 Apr 2023 until 23:59 on Wednesday 12 Apr 2023

Forecast Issued on Monday 10 Apr 2023 at 15:36

Confidence: Notably low confidence for all detail from later Tuesday and through Wednesday, improving later in the week. Higher confidence for return of lower temperatures for a time, as well as prevailing unsettled theme.

Headline for Tuesday 11 Apr 2023: Sharp wintry showers gradually giving way sunny spells ahead of a wet and very windy end to the day.

Mountain weather hazards on Tuesday 11 Apr 2023

Blizzards
No Likelihood

Heavy persistent snow
No Likelihood

Storm force winds
No Likelihood

Gales
Medium Likelihood

Severe chill effect
Low Likelihood

Poor visibility
Low Likelihood

Thunderstorms
Low Likelihood

Heavy persistent rain
Low Likelihood

Strong sunlight
Medium Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Light rain	Sleet showers (night)	Sleet showers (night)	Sunny intervals	Sunny intervals	Light rain	Heavy Rain	Sleet showers (night)
Precipitation probability							
30%	40%	30%	10%	10%	30%	80%	60%

Forecast for Tuesday 11 Apr 2023

Weather: Chilly overnight, with periods of sleet on near-gale westerly winds, with the lengthiest clear spells and most widespread frost in the more sheltered east. Remaining sleet showers should die away into daybreak, with some sunny spells developing for a time. Cloud will thicken and lower into the afternoon however, ahead of a wet and windy end to the day, with sleet over the tops. Further blustery wintry showers are expected to follow later in the evening.

Chance of cloud-free hill tops above 600m: Perhaps 70% improving 90% through the morning. Deteriorating to 20% later in the afternoon.

Low cloud and visibility: Areas of cloud around the highest ground lifting and dispersing through the morning, with visibility becoming very good. Cloud thickening and enveloping the highest ground above 600 metres from late in the afternoon, perhaps lower in sleet.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
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Mountain Weather Forecast

Forecast for Tuesday 11 Apr 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	30/40 W	28/37 W	23/31 SW	21/29 SW	19/27 SW	21/29 S	29/40 S	31/44 SW	26/38 SW
300	21/30 W	19/27 W	17/25 SW	14/21 SW	17/25 SW	17/26 S	24/37 S	24/38 SW	20/32 SW
Valley	14/31 W	12/28 W	10/23 SW	11/21 SW	13/24 SW	13/26 S	17/35 S	19/39 SW	14/31 SW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	2/-6	1/-6	0/-6	2/-4	5/0	6/1	4/-3	4/-3	1/-6
300	4/-1	3/-2	3/-3	5/1	8/4	8/4	6/1	6/1	4/-2
Valley	5/0	4/-0	4/-0	6/3	9/6	9/6	7/3	7/2	4/-1
Freezing Level*	800m	700m	700m	700m	900m	1100m	1100m	1000m	600m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Moderate UV will be the main hazard for a time through the middle of the day. Ample time should be left for descents given the significant deterioration in conditions expected later on Tuesday.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Mon 10 Apr 2023	11.2mm	11.2mm	11.4mm

Forecast for Wednesday 12 Apr 2023

Weather: There remains high uncertainty in forecast detail for Wednesday. At present, overnight blustery wintry showers and gales are perhaps most likely to give way to a protracted spell of heavy rain and poor visibility, in turn clearing to further strong winds and some rain, snow for the upper slopes.

Maximum wind: Westerly 45mph, easing. Low confidence.

Chance of cloud-free hill tops above 600m: Low confidence, perhaps 60% at peak.

Low cloud and visibility: Best visibility and cloud conditions perhaps coming around the middle of the day, but deteriorating to extensive and persistent cloud above 600 metres, potentially lower in heaviest rain and sleet.

Temperature: **Valleys:** Minus 1 becoming plus 9 Celsius.
At 600m: Plus 2 Celsius.
Freezing level: 900 metres.

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